

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 March 2001 (22.03.2001)

PCT

(10) International Publication Number
WO 01/20395 A1

(51) International Patent Classification⁷: G02F 1/13363,
G02B 5/30

[GB/GB]; 21, Firs Glen Road, Winton, Bournemouth,
Dorset BH9 2LS (GB).

(21) International Application Number: PCT/EP00/08935

(74) Common Representative: MERCK PATENT GMBH;
Frankfurter Strasse 250, 64293 Darmstadt (DE).

(22) International Filing Date:

13 September 2000 (13.09.2000)

(81) Designated States (*national*): AE, AL, AM, AT, AU, AZ,
BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,
DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
UG, US, UZ, VN, YU, ZA, ZW.

(30) Priority Data:

99117977.1 16 September 1999 (16.09.1999) EP

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

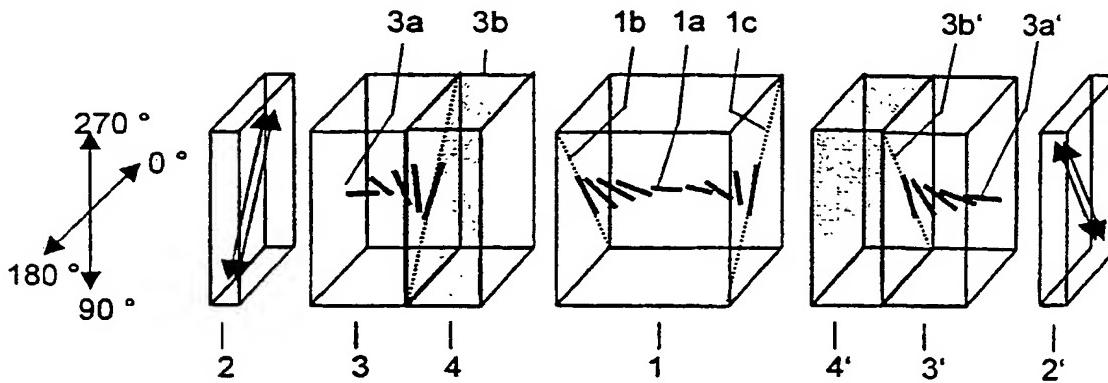
(71) Applicant (*for all designated States except US*): MERCK
PATENT GMBH [DE/DE]; Frankfurter Strasse 250,
64293 Darmstadt (DE).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OPTICAL COMPENSATOR AND LIQUID CRYSTAL DISPLAY



WO 01/20395 A1

(57) Abstract: The invention relates to an optical compensator for liquid crystal displays comprising: at least one O plate retarder (3, 3'); at least one DAC film (4, 4') having the optical properties of a negative C plate retarder, and further relates to a liquid crystal display comprising such a compensator.